SAFE INTERSECTION SETUP

Survey is unique in that most of our setups are short term. We need to be safe but mobile. The “WATCH” manual and the “Manual on Uniform Traffic Devices” (http://mutcd.fhwa.dot.gov/) are good guides to safe intersection setup. Because we are so “mobile” we don’t carry the amount of safety equipment that we would need to strictly adhere to these guides. Some considerations for safely setting up a work area within the City Right of Way are:

1. Minimum of one high-rise devise will be used. Minimum 8 feet high unless windy conditions render that unsafe. Two would be better. High-rise(s) should be placed in the most visible spots to warn vehicles of the work area.
2. Three flags minimum on each high-rise (one in the top)
3. Two cones minimum should be placed at each high-rise. Cones should be a minimum of 28” tall
4. Four cones minimum should be placed around the instrument and L.S.A.
5. A minimum of two cones at each back sight (tripod/can-sight etc.)
6. If turning lanes direct cars toward the set up area, cone off the turn lanes.
7. Try to accommodate turning vehicles but not at the risk of safety.
8. If the set up area falls in a lane, cone off the entire lane. The taper length will depend on the situation. A longer taper length should be used on curved streets. A general rule is: use the speed limit for cone spacing (25 MPH = 25 ft.) (Per Manual on Uniform Traffic Devices).
9. Highly visible (not faded) safety vests must be worn at all times while on any Survey project.
10. Survey vehicles with flashing lights or arrow boards can be used along with cones to take out a lane. Care must be taken to allow a safe distance between the Survey vehicle and Survey Party in case of a rear end collision.